DOEE USE

Freelance Development

119 53rd Street, NE Washington, DC 20019-6604 PROPOSED MULTIFAMILY AFFORDABLE HOUSING DEVELOPMENT

STRUCTURAL DESIGN CRITERIA

DESIGN/ LIVE LOADS LIVE LOAD: HANDRAILS LIVE LOAD:

40 PSF OR 300 LBS CONCENTRATED LOAD, ACTING OVER 4 SQ INCHES

a. GROUND SNOW LOAD (PG) 30 PSF b. FLAT ROOF SNOW LOAD (PF) 20 PSF c. SNOW EXPOSURE FACTOR (CE) 0.9 d. SNOW IMPORTANCE FACTOR (I) 1.0

1500 PSF, ASSUME SANDY CLAY AS PER IRC R401.4.1

110 MPH. 20 PSF MINIMUM WIND LOAD: **EARTHQUAKE LOADS:** SEISMIC DESIGN CATEGORY A, AS PER IRC R301.2

SOIL BEARING: CAST IN PLACE CONCRETE:

SNOW LOADS;

A. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 3000 psi, IN CONFORMANCE WITH THE APPLICABLE SECTIONS OF ACI 318-95, "PART 3 - CONSTRUCTION REQUIREMENTS." UNO (UNLESS NOTED OTHERWISE)

B. CONCRETE COVER FOR REINFORCEMENT SHALL BE:

FOOTINGS

REINFORCEMENT:

A. REINFORCING BARS SHALL BE DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60 (Fy = 60ksi)

WOOD: Lumber shall be SPF #2 with a min. Fb = 875psi Min. Fv = 135psi and min. E = 1,400,000psi. LVL and PSL shall have a min. Fb = 2850psi; Fv = 285psi; E = 2,000,000psi

ANCHORAGE SYSTEMS:

ANCHORS, BOLTS, LEVELING PLATES, OR BEARING PLATES TO BE LOCATED & BUILT INTO CONNECTING WORK PRESET BY TEMPLATES OR SIMILAR METHODS. PLATES TO BE SET IN FULL BEDS OF NON SHRINK GROUT AFTER LEVELING & ADJUSTMENT. ONE SHOP COAT

OF PAINT TO BE APPLIED TO ALL STRUCTURAL MEMBERS EXCEPT THOSE AREAS REQUIRING FIELD WORK ALL CONNECTIONS TO BE BOLTED WITH MIN. 3/4" DIA A325 OR A490 HIGH STRENGTH BOLTS OR WELDED. USE FULL DEPTH DOUBLE ANGLE CONNECTIONS ON ALL GIRDER AND BEAM CONNECTIONS TO COLUMNS, UNLESS OTHERWISE NOTED. INFILL BEAM CONNECTIONS TO BE FULL DEPTH DOUBLE ANGLE CONNECTIONS,

UNLESS OTHERWISE NOTED. BOLTS TO BE 3" OC VERT.

ANY FLOOR OPENINGS SHALL BE COVERED DURING DEMOLITION AND CONSTRUCTION.

SYMBOLS AND ABBREVIATIONS

EXISTING WALL OR PARTITION TO REMAIN EXISTING WALL OR PARTITION TO BE REMOVED NEW DRYWALL ON STUD PARTITION DOOR NUMBER (SEE DOOR SCHEDULE) SECTION / ELEVATION NUMBER - DWG. ON WHICH SECTION / ELEV. APPEARS

> ABOVE FINISH FLOOR CONCRETE MASONRY UNIT

VERIFY IN FIELD

UNLESS NOTED OTHERWISE

NEW EXTERIOR WALL

NEW INTERIOR WALL

EXTERIOR WALL TO BE REMOVED

EXISTING WINDOWS TO BE REMOVED

EXISTING DOORS TO BE REMOVED

EXISTING STAIRS TO BE REMOVED

INTERIOR WALL TO BE REMOVED

CMU

THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS WITHIN THE CONTRACT LIMITS AND NOTIFY THE ARCHITECT IMMEDIATELY IN WRITING OF ANY DEVIATION FROM CONTRACT DOCUMENTS NECESSITATED BY FIELD CONDITIONS OR ITEMS NOT COVERED. DWG. ON WHICH DETAIL APPEARS MAINTAIN ACCESS TO EXITS AND EXIT STAIRS AT ALL TIMES. FIRE ALARM AND SMOKE DETECTION SYSTEM (WHERE NECESSARY) SHALL REMAIN OPERATIONAL AT ALL TIMES. PROTECT SMOKE DETECTORS AS REQUIRED AND IN CONFORMANCE WITH CODES AND LOCAL AUTHORITIES HAVING JURISDICTION.

FOR ALL SUBFACES SCHEDULED TO REMAIN PATCH AND MATCH SUBFACES DISTURBED BY DEMOLITION OR REMOVAL OF FOUIPMENT OR UTILITIES. INSTALL PATCHING TO MATCH ADJACENT WORK IN FINISH, STRUCTURAL QUALITIES, COURSING OF MASONRY, AND OTHER CHARACTERISTICS, PATCH SURFACES TO COMPLY WITH FIRE RATINGS, SMOKE-TIGHTRATINGS, ACOUSTICAL CRITERIA AND OTHER PERFORMANCE CRITERIA INDICATED.

ALL WORK SHALL BE DONE IN COMPLETE ACCORDANCE WITH ALL APPLICABLE CODES AND ORDINANCES. NOTHING ON THE DRAWINGS OR IN THE

THE PURPOSE OF THESE DRAWINGS IS TO ILLUSTRATE THE OWNERS INTENT AND THE FINISHED PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS TO BE EMPLOYED IN ACHIEVING THIS. BY SUBMIT-TING A BID FOR THE WORK, THE CONTRACTOR IS AGREEING

ALL MATERIALS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS AND ALL APPLICABLE INDUSTRY STANDARDS. DO NOT MODIFY OR INSTALL ANY MATERIAL IN SUCH A WAY AS TO VOID OR LIMIT THE MANUFACTURER'S WARRANTY WITHOUT

ALL COLORS, STYLES, AND PATTERNS SHALL BE SELECTED BY THE OWNER FROM THE MANUFACTURER'S STANDARD RANGES. THE CONTRACTOR

PRODUCTS NOT SPECIFIED SHALL BE SELECTED BY THE CONTRACTOR FROM STANDARD BUILDING MATERIALS THAT MEET INDUSTRY STANDARDS AND ARE CONSISTENT WITH THE LEVEL OF QUALITY OF THE OTHER PRODUCTS SPECIFIED. THE ARCHITECT SHALL HAVE THE FINAL WORD IN ALL

ADEQUATE SHORING CONSISTENT WITH THE STANDARDS OF GOOD CONSTRUCTION PRACTICE THROUGHOUT ALL AREAS OF THE WORK PRIOR TO

ALL WORK SHALL BE DONE BY CRAFTSMEN WITH ADEQUATE SKILL AND TRAINING IN THEIR FIELD TO PRODUCE AN END PRODUCT FINISHED TO

WHEN THE CONTRACTOR HAS A QUESTION ABOUT THE LEVEL OF QUALITY THAT IS ACCEPTABLE, A SMALL SECTION OF THE WORK IN QUESTION

ATTENTION OF THE ARCHITECT. IT IS EVERYONE'S GOAL TO WORK TOGETHER TO PRODUCE THE BEST POSSIBLE QUALITY AT THE LOWEST PRICE.

DASHED LINES ON DEMO PLANS REPRESENT WALLS, DOORS, SOFFITS, CASEWORK, ETC TO BE REMOVED. PATCH & REPAIR EXISTING ADJOINING AREAS TO

THE CONTRACTOR SHALL NOT CONSIDER DEMOLITION AND ALTERATION NOTES TO BE ALL-INCLUSIVE. IT IS CONTRACTOR'S RESPONSIBILITY TO INSPECT AND

ARCHITECTURAL DEMOLITION DRAWINGS AND NOTES WITH HVAC, ELECTRICAL, FIRE PROTECTION AND PLUMBING DRAWINGS AND NOTES. PATCH OR REBUILD

ASSESS EACH AREA AND TO FULFILL THE INTENT OF THE DESIGN INDICATED BY THE CONTRACT DOCUMENTS. CONTRACTOR SHALL COORDINATE

ANY AREAS TO REMAIN THAT HAVE BEEN DAMAGED OR DISTURBED BY HVAC, ELECTRICAL, FIRE PROTECTION AND PLUMBING DEMOLITION.

IF ANY TIME THE CONTRACTOR HAS A SUGGESTION THAT MAY INCREASE THE QUALITY OR REDUCE THE COST HE IS TO BRING IT TO THE

INSPECT THE JOB SITE BEFORE SUBMITTING ANY BIDS OR PROPOSALS. NO EXTRAS WILL BE APPROVED FOR ANY WORK REQUIRED DUE TO

SUBMIT MANUFACTURER'S INFORMATION ON ALL MATERIALS TO BE INCORPORATED INTO THE WORK FOR REVIEW BY THE ARCHITECT AND OWNER. AN ADEQUATE NUMBER OF COPIES SHALL BE SUBMITTED TO ALLOW THE ARCHITECT TO RETAIN ONE COPY FOR HIS RECORDS AND

SUPPLY ALL MATERIALS REQUIRED TO COMPLETE THE PROJECT. THIS INCLUDES ITEMS NOT SPECIFICALLY SHOWN OR DESCRIBED, BUT

TAKE ALL NECESSARY PRECAUTIONS TO ENSURE THE STRUCTURAL STABILITY OF THE BUILDING AT ALL TIMES. THIS INCLUDES PROVIDING

REASONABLY INFERRED BY THE DRAWINGS OR REQUIRED TO PRODUCT A COMPLETE AND TOTAL JOB AS DESCRIBED.

SECURE AND PAY FOR ALL REQUIRED PERMITS. THE OWNER SHALL PAY ALL TAP FEES AND UTILITY HOOKUP FEES.

THESE DRAWINGS ARE SCHEMATIC IN NATURE AND ARE NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. WHEN UNFORESEEABLE

SPECIFICATIONS SHALL BE INTERPRETED AS RELIEVING THE CONTRACTOR OF THIS RESPONSIBILITY.

THAT HE HAS THE SKILL, KNOWLEDGE, AND INFORMATION NECESSARY TO COMPLETE THE PROJECT.

SHALL SUBMIT ADEQUATE COLOR SAMPLES TO ALLOW THE OWNER TO MAKE THE SELECTIONS.

DISPUTES OVER ISSUES OF APPEARANCE, QUALITY, MATERIALS, AND WORKMANSHIP.

SHALL BE COMPLETED FOR REVIEW AND APPROVAL OF THE ARCHITECT.

EXISTING CONDITIONS WHICH COULD HAVE BEEN FOUND PRIOR TO BIDDING.

ALL DEMOLITION SHALL BE PERFORMED IN A SAFE AND ACCEPTABLE MANNER TO ALL AUTHORITIES HAVING JURISDICTION AND THE OWNER. A FIRE WATCH SHALL BE PROVIDED IF ANY HAZARDOUS SITUATIONS ARE THOUGHT TO BE POSSIBLE. COMPLY WITH GOVERNING REGULATIONS PERTAINING TO INVIRONMENTAL PROTECTION FOR POLLUTION CONTROL. THOROUGHLY CLEAN ADJACENT AREAS OF DUST, DIRT AND DEBRIS CAUSED BY DEMOLITION WORK. BEFORE NEW WORK BEGINS, RETURN ADJACENT AREAS TO CONDITION FOUND PRIOR TO START OF DEMOLITION WORK.

PROVIDE TEMPORARY PARTITIONS/DUST PROTECTION (RATED AND/OR NON-RATED) AS REQUIRED. REVIEW LOCATIONS OF TEMPORARY PARTITIONS/DUST PROTECTION WITH OWNER AND ARCHITECT PRIOR TO START OF WORK.

HAZARDOUS MATERIAL NOTE: CONTRACTOR SHALL STOP WORK AND INFORM OWNER IMMEDIATELY IN WRITING OF ANY HAZARDOUS MATERIAL ENCOUNTERED OR THOUGHT TO BE HAZARDOUS MATERIAL. THE OWNER, AFTER RECEIVING WRITTEN NOTICE SHALL INSTRUCT CONTRACTOR ON HOW TO PROCEED.

ALL WORK SHALL BE DONE IN PROTECTED SPACE, NO DUST OR DIRT SHALL TRAVEL FROM CONSTRUCTION AREA TO ADJACENT AREAS, TEMPORARY DUST PROTECTION SHALL BE ERECTED PRIOR TO START OF WORK. CONTRACTORS SHALL REVIEW PROVISIONS TO CONTROL AIRBORNE DUST WITH INFECTION CONTROL DIRECTOR, FACILITIES-BUILDING MANAGER AND CONSTRUCTION MANAGER. COORDINATE ADDITIONAL FILTRATION OF EXTERIOR AIR INTAKES TO MECHANICAL SYSTEMS.

PRIOR TO ANY DEMOLITION, THE CONTRACTOR SHALL COORDINATE BRACING AND MAINTAIN THE STRUCTURAL INTEGRITY OF THE REMAINING ELEMENTS OF THE BUILDING AND ITS SYSTEMS AS REQUIRED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUPPORT OF ADJACENT STRUCTURES DURING DEMOLITION AND NEW CONSTRUCTION WORK. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY SHORING, SCAFFOLDING, ETC., WHICH ARE NECESSARY TO PREVENT COLLAPSE, SUBSIDENCE, DEFLECTION OR ANY OTHER TYPE OF DAMAGE, REPAIR SPRAY FIREPROOFING DAMAGED DURING DEMOLITION WORK TO ITS REQUIRED ASSEMBLY AND FIRE RATING AS SCHEDULED ON ARCHITECTURALDRAWINGS.11.) CONTRACTOR SHALL REVIEW ALL ITEMS TO BE DEMOLISHED WITH OWNER TO IDENTIFY ANY ITEMS TO BE SALVAGED PRIOR TO START OF DEMOLITION.

REMOVE ALL CAMERAS (WHERE NECESSARY) IN CONTRACT LIMIT AREA AND RETURN TO OWNER.

ANY FLOOR OPENINGS SHALL BE COVERED DURING DEMOLITION AND CONSTRUCTION.

GENERAL NOTES

WRITTEN CONSENT OF THE ARCHITECT

BEGINNING ANY DEMOLITION OR CONSTRUCTION.

BUILDING CODE ANALYSIS

APPLICABLE CODE(S): ALL WORK SHALL BE IN STRICT COMPLIANCE WITH THE 2017 DCRC INTERNATIONAL RESIDENTIAL CODES (IRC 2015) WITH DCMR12B SUPPLEMENT, 2017 DCBC, 2015 IBC WITH DCMR12 A SUPPLEMENT TO 2015 EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC), 2017 DCECC, 2015 ICEE WITH 2017 DCMR12 I SUPPLEMENT TO THE INTERNATIONAL ENERGY CONSERVATION CODE (IEEC), FIRE CODE (IFC), AND THE

REQUIREMENTS OF AGENCIES HAVING JURISDICTION OVER THE PROJECT IN WASHINGTON,

DC. USE GROUP RF-1, CONSTRUCTION TYPE VB.

LOT DESCRIPTION: LOT 0149 SQUARE 5243 ADDRESS: 119 53rd Street, NE

Washington, DC 20019-6604

LOT AREA: 4,557.54 Sq. Ft.

ZONING DISTRICT: RESIDENTIAL ZONE, R-2, WARD 7 BUILDING TYPE: SETBACKS: REQUIRED: PROPOSED: FRONT 15.0'

Back BUILDING HEIGHT: MAXIMUM **PROVIDED** STRUCTURE

FOOT PRINT OF PROPOSED DESIGN: NO CHANGE

SCOPE OF WORK

PROPOSED MULTIFAMILY AFFORDABLE HOUSING DEVELOPMENT, STORM WATER MANAGEMENT NOT NEEDED. AS DISTURBANCE OF SITE IS < 5,000 SQUARE FOOT

DRAWING INDEX **DOEE Cover Sheet** ESC001 Site Plan

ESC002 DOEE GENERAL NOTES **EROSION SEDIMENT CONTROL** ESC003

Lot Size: 4,557.54 Sqft Existing Building: 0.0 Sqft Existing Building Lot Occupancy: 0% Proposed Building: 2,355.0 Sqft Proposed Building Lot Occupancy: 52% Existing Building Height = 0' Proposed Building Height = 35' Pervious Surface: 0 Sq. Ft. Pervious Surface Percentage: 48% Total Disturbed Area: Building 2,355.0 Sqft Volume of Excavation: +/- 1,450 Cu. Ft

Volume of Backfill: +/- 0 Cu. Ft.

ASPE

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Consulting Engineer 11005 Roundtable Court

DESIGNER Ali Shakeri, PE 11005 Roundtable Court Rockville, Maryland 20852 ashakeri@verizon.net Mobile: 301-717-6982

Chavis, Terrence A

Freelance Development

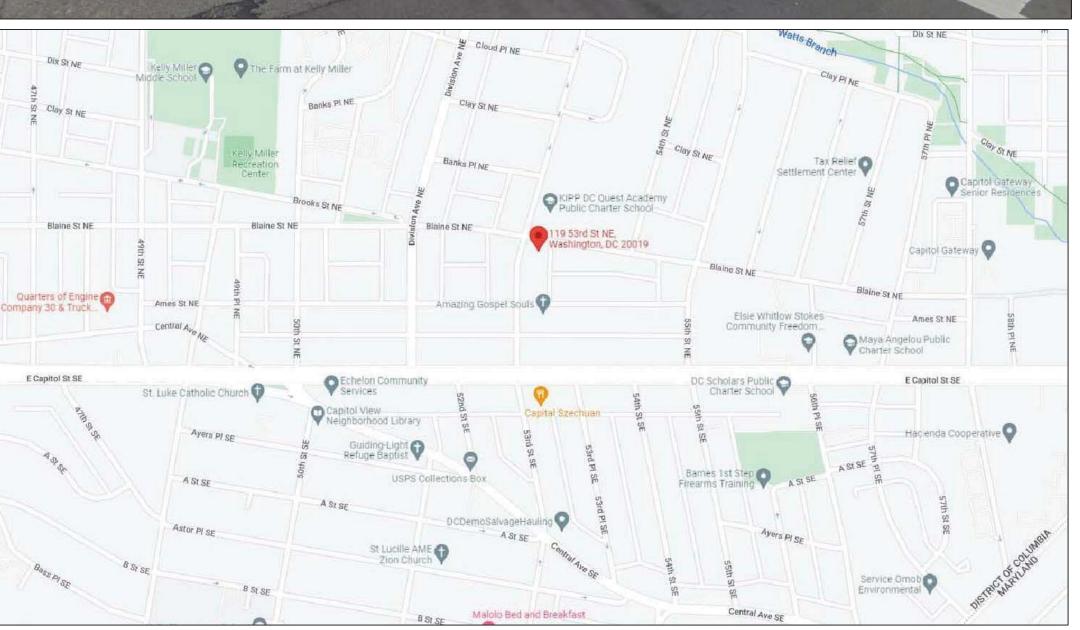
305 Todd Place, NE

202-203-9247

Washington DC 20002

freelancedev202@gmail.com





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SHEET TITLE

DOEE Cover Sheet

SHEET NO.

Board of Zoning Adjustr

CASE NO.20918

Site Plan

PROJECT NARRETIVE:

PROPOSED MULTIFAMILY AFFORDABLE HOUSING DEVELOPMENT, STORM WATER MANAGEMENT NOT NEEDED, AS DISTURBANCE OF SITE IS < 5,000 SQUARE FOOT

OWNER

Chavis, Terrence A
Freelance Development

305 Todd Place, NE

Washington DC 20002 freelancedev202@gmail.com

202-203-9247

DESIGNER

Ali Shakeri, PE

11005 Roundtable Court

Rockville, Maryland 20852

ashakeri@verizon.net Mobile: 301-717-6982

Applicant shall contact the Department at 202-535-2977 to schedule a pre-construction meeting before the commencement of a land-disturbing activity

119 53rd Street, NE

Washington, DC 20019-6604

Zone: Residential Zone, R-2, Ward 7, Year to be Built: 2022

Lot Size: 4,557.54 Sqft

Building SF: 2,355.0± Sqft

Construction Type: VB

Front Setback: No lesser or greater than existing setbacks on the same block 15.0' Min. 15.0'

Rear Yard Setback: 0.0'

Side Setback: 15.0'

F.A.R.: N/A

Lot Size: 4,557.54 Sqft

Existing Building: 0.0 Sqft

Existing Building Lot Occupancy: 0%

Proposed Building: 2,355.0 Sqft

Proposed Building Lot Occupancy: 52%

Existing Building Height = 0'

Proposed Building Height = 35'
Pervious Surface: 0 Sq. Ft.

Pervious Surface Percentage: 48%

Total Disturbed Area: 3,355.0 Sqft

Volume of Excavation: +/- 1,450 Cu. Ft.

Volume of Backfill: +/- 0 Cu. Ft.

Following initial land disturbance or re-disturbance, permanent or interim stabilization must be completed within seven (7) calendar days for the surfaces of all perimeter controls, dikes, swales, ditches, perimeter slopes, and slopes greater than three (3) horizontal to one (1) vertical (3:1); and fourteen (14) days for all other disturbed or graded areas on the project site. These requirements do not apply to areas shown on the plan that are used for material storage other than stockpiling, or for those areas on the plan where actual construction activities are being performed. Maintenance shall be performed as necessary so that stabilized areas continuously meet the appropriate requirements of the District of Columbia Standards and Specifications for Soil Erosion and Sediment Control (ESC). [21 DCMR § 542.9 (o)]



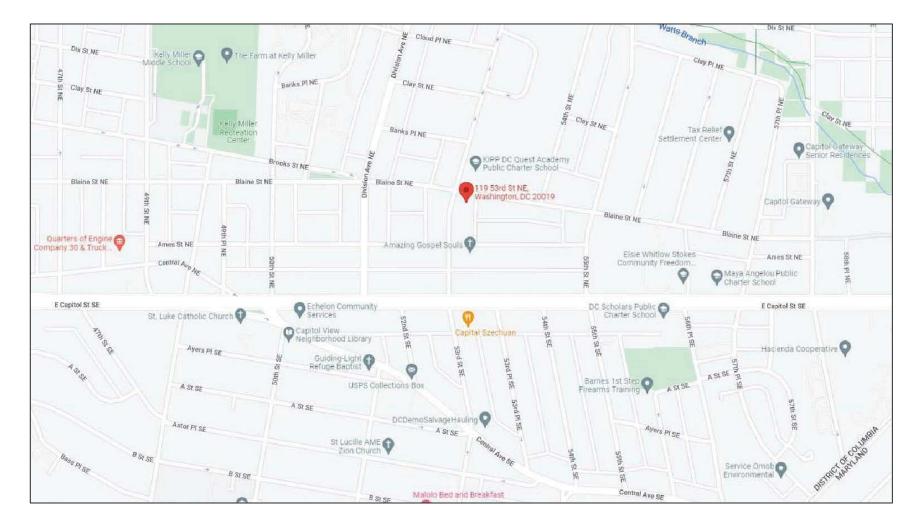
119 53rd Street, NE Washington, DC 20019

BLAINE STREET, N.E.

N-81°05'30" W 101.97'

Site Plan

Scale: 1" = 10'-0"



VICINITY MAP

LEGEND

TRAV A TRAVERSE CONTROL POINT

INLET STORM DRAIN INLET

FH → HYDRANT

WV ₩ WATER VALVE

15" TREE/SIZE

O SIGN

LIMIT OF DISTURBANCE

SUPER SILTFENCE

SEWER LINE

+ 100.0'

× × ×

WATER LINE
TELEPHONE LINE
GAS LINE
GAS LINE
HIGH RAIL FENCE
PROPERTY LINE

EXISTING CONTOURS

PROPOSED CONTOURS

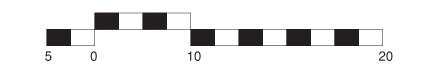
EXISTING CHAIN LINK FENCE _____

LIMIT OF DISTURBANCE

NEW CONSTRUCTION

EXISTING SPOT ELEVATION

CHAIN LINK FENCE



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DCRA USE

Freelance Development 119 53rd Street, NE Washington, DC 20019-6604 freelancedev202@gmail.com 202-203-9247

ARCH. DATE ISSUED BY

ASPE 03/31/2022 ASPE

SCALE NORTH

SHEET TITLE

Site Plan

SHEET NO.

ESC001

DDOE SOIL EROSION AND SEDIMENT CONTROL PLAN GENERAL NOTES

- 1. Following initial land disturbance or re-disturbance, permanent or interim stabilization must be completed within seven (7) calendar days for the surfaces of all perimeter controls, dikes, swales, ditches, perimeter slopes, and slopes greater than three (3) horizontal to one (1) vertical (3:1); and fourteen (14) days for all other disturbed or graded areas on the project site. These requirements do not apply to areas shown on the plan that are used for material storage other than stockpiling, or for those areas on the plan where actual construction activities are being performed. Maintenance shall be performed as necessary so that stabilized areas continuously meet the appropriate requirements of the District of Columbia Standards and Specifications for Soil Erosion and Sediment Control (ESC). [21 DCMR § 542.9 (o)]
- 2. ESC measures shall be in place before and during land disturbance. [21 DCMR § 543.6]
- 3. Contact DDOE Inspection (202) 535-2977 to schedule a preconstruction meeting at least three (3) business days before the commencement of a land-disturbing activity. [21 DCMR § 503.7 (a)]
- 4. A copy of the approved plan set will be maintained at the construction site from the date that construction activities begin to the date of final stabilization and will be available for DDOE inspectors. [21 DCMR § 542.15]
- 5. ESC measures shall be in place to stabilize an exposed area as soon as practicable after construction activity has temporarily or permanently ceased but no later than fourteen (14) days following cessation, except that temporary or permanent stabilization shall be in place at the end of each day of underground utility work that is not contained within a larger development site. [21 DCMR § 543.7]

- 6. Stockpiled material being actively used during a phase of construction shall be protected against erosion by establishing and maintaining perimeter controls around the stockpile. [21 DCMR § 543.16 (a)]
- 7. Stockpiled material not being actively used or added to shall be stabilized with mulch, temporary vegetation, hydro-seed or plastic within fifteen (15) calendar days after its last use or addition. [21 DCMR § 543.16 (b)]
- 8. Protect best management practices from sedimentation and other damage during construction for proper post construction operation. [21 DCMR § 543.5]
- 9. Request a DDOE inspector's approval after the installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. [21 DCMR § 542.12 (a)]
- 10. Request a DDOE inspector's approval after final stabilization of the site and before the removal of erosion and sediment controls. [21 DCMR § 542.12 (b)]
- 11. Final stabilization means that all land-disturbing activities at the site have been completed and either of the following two criteria have been met: (1) a uniform (for example, evenly distributed, without large bare areas) perennial vegetative cover with a density of seventy percent (70%) of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures, or (2) equivalent permanent stabilization measures have been employed (such as the use of riprap, gabions, or geotextiles). [21 DCMR § 542.12 (b.1, b.2)]

- 12. Follow the requirements of the United States Environmental Protection Agency approved Stormwater Pollution Prevention Plan (SWPPP) and maintain a legible copy of this SWPPP on site. [21 DCMR § 543.10 (b)]
- 13. Post a sign that notifies the public to contact DDOE in the event of erosion or other pollution. The sign will be placed at each entrance to the site or as directed by the DDOE inspector. Each sign will be no less than 18 x 24 inches in size and made of materials that will withstand weather for the duration of the project. Lettering will be at least 1 inch in height and easily readable by the public from a distance of twelve feet (12 ft). The sign must direct the public, in substantially the following form: "To Report Erosion, Runoff, or Stormwater Pollution" and will provide the construction site address, DDOE's telephone number (202-535-2977), DDOE's e-mail address (IEB.scheduling@dc.gov), and the 311 mobile app heading ("Construction-Erosion Runoff"). [21 DCMR § 543.22].

If a site disturbs 5,000 square feet of land or greater, the ESC plan must contain the following statement:

14. A Responsible Person must be present or available while the site is in a land-disturbing phase. The Responsible Person is charged with being available to (a) inspect the site and its ESC measures at least once biweekly and after a rainfall event to identify and remedy each potential or actual erosion problem, (b) respond to each potential or actual erosion problem identified by construction personnel, and (c) speak on site with DDOE to remedy each potential or actual erosion problem. A Responsible Person shall be (a) licensed in the District of Columbia as a civil or geotechnical engineer, a land surveyor, or architect; or (b) certified through a training program that DDOE approves, including a course on erosion control provided by another jurisdiction or professional association. During construction, the Responsible Person shall keep on site proof of professional licensing or of successful completion of a DDOE-approved training program. [21 DCMR § 547]

DCRA USE

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ASPE

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ASPE	11/28/2021	ASPE
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SCALE NORTH

SHEET TITLE

DOEE General Notes

SHEET NO.

ESC001

Erosion Control Notes

General Notes

- 1. A sediment and erosion control method shall be installed before the start of any excavation and /or construction as per standards and specifications for soil erosion and sediment control for the District of Columbia. If an on-site inspection reveals further erosion control measure are necessary, the same shall be provided.
- 2. All debris is to be removed from site. 3. Alley and/or streets/sidewalks shall be swept clean at all times during excavation and construction.
- 4. All catch basins and drain areas shall be protected during excavation and construction. 5. IF ANY CATCH BASINS OR DRAINS BECOME CLOGGED AS A RESULT OF **EXCAVATION OR CONSTRUCTION THE** CONTRACTOR SHALL BE RESPONSIBLE FOR ITS CLEANING.
- 6. When sediment trap/sediment tank has reached 67% of its capacity, clean out of same is required.
- 7. Any stockpiling, regardless of location, shall be stabilized and covered with plastic or canvas, after its establishment and for the duration of the
- 8. After raze or demolition, there is the need for ground cover to prevent erosion and sediment run-off from occurring, such as seed, sod, pave, brickbat or mulch, etc.

Sediment Control Approval

Plan Number:

This approval is for grading and sediment control only. Permittee/contractor is required to construct design feature shown hereon. he shall notify this office at number below at least 24 hours before start of grading activity and two weeks after completion of project for final inspection.

Date:

Flooding and erosion control section

Telephone Number:

Graphic Symbols Earth Dike straw bale dike ___S___S___S ___S Silt Fence **Temporary Swale** Stabilized Construction Entrance

PSD - 12

 \longrightarrow

Pipe Slope Drain

Perimeter Dike/Swale

Inlet Protection

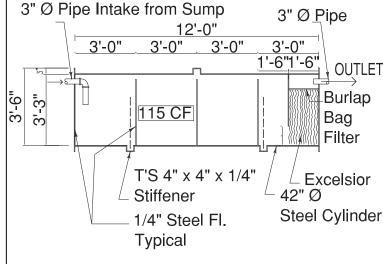
Diversion Grassed Waterway

Lined Waterway

Rock Outlet Protection

Subsurface Drain

Sediment Tank (not to scale)

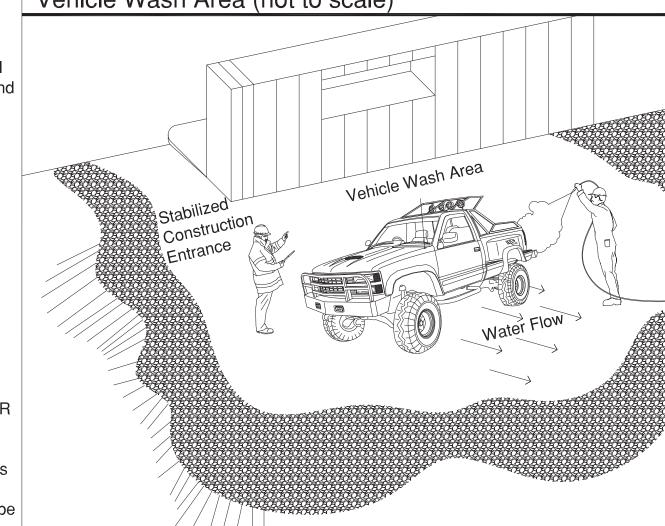


Section Through the Sediment Tank

NOTES ON SEDIMENT TANK 1. ALTERNATE CONFIGURATION: 36" STEEL CYLINDER, 15'-9" LONG WITH 5

WHEN SILT HAS ACCUMULATED IN TANK TO A DEPTH OF 67% OF CAPACITY OF TANK, CLEAN TANK OF

Vehicle Wash Area (not to scale)



Standards and Definitions for Vehicle Wash Area

An on-site area where tires and under carriage of a vehicle can be washeD.

The "vehicle wash area" is provided to minimize the quality of sediment deposited in public space by vehicles leaving the site.

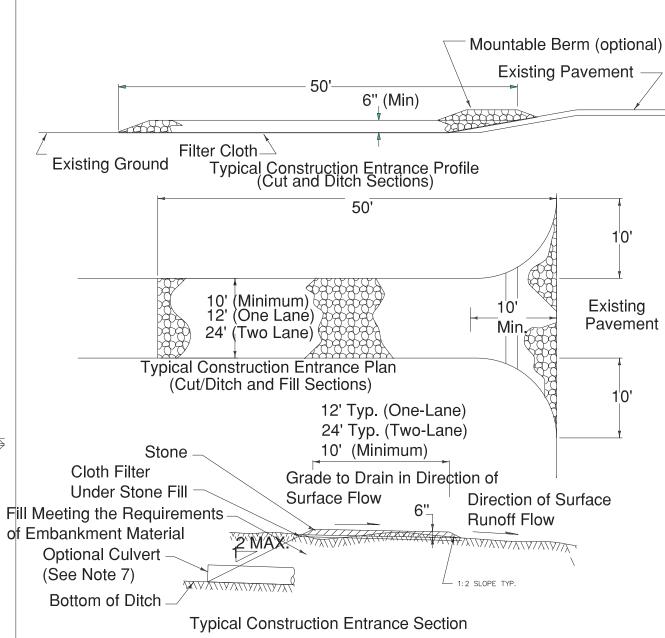
Conditions Where Practice Applies:

The "vehicle wash area" will be required on any site where vehicles can enter onto unimproved surfaces.

Design CriteriA:

The vehicle wash area shall be provided on site and drained on site. the area may be constructed of rubble or other hard porous material. A working water hose must be located in the area during all construction activity, such as seed, sod, pave, brickbat or mulch, etc.

Stabilized Construction Entrance -(not to scale) S.C.E.

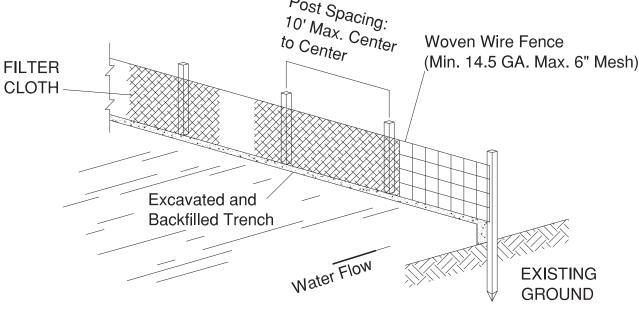


Construction Specifications

- 1. Stone size: use 2" stone, or reclaimed or recycled concrete equivalent. 2. Length- as required, but not less than 50 feet (except on a single residence lot where a
- 30 foot minimum length would apply) 3. Thickness: no less than 6 inches.
- 4. Width: 10 feet minimum, but no less than the full width at points where egress or
- ingress occurs. 5. Filter cloth: will be placed under the entire area prior to placing of stone.
- 6. Surface water: all surface water flowing or diverted towards construction entrances should be piped across the entrance. if piping is impractical, a mountable berm with 5:1 slopes will will permitted.
- 7. Maintenance: the entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-ways. this may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any mousers used to trap sediment. all sediment spilled, dropped, washed, or tracked onto public rights-0f-way must be removed immediately.
- 8. Washing: wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way, when washing is required, it shall be done on an area stabilized with stone, and which drains into an approved sediment trapping device. 9- Periodic inspection and needed maintenance shall be provided after each rain.
- U.S. Department of Agriculture, Soil Conservation Service, College Park Maryland. Stabilized Construction Entrance Based on Standard Drawing SCE-1

Silt Fence (not to scale) - s - s - s -

SUPPORT POSTS 36" MIN LENGTH DRIVEN 16" INTO THE GROUND -EXISTING = Flow Direction UNDISTUR ED Filter Cloth over Excavated Woven -GROUND 5 Wire Mesh Woven Wire Mesh Embed Filter Cloth 8" Min. into Ground Typical Section



Silt Fence Notes

1. Woven wire fence to be fastened securely to fence posts with wire ties or staples. 2. Filter cloth to be fastened securely to woven wire fence with ties spaced every 24"

Isometric View

- at to p and mid section.
- 3. When two sections of filter cloth adjourned each other they shall be overlapped by 6
- 4. Maintenance shall be performed as needed and material removed when bulges develop in the silt fence.

Posts: Steel either T or U Type, or 2"Hardwood.

Fence: Woven wire 14.5 GA. 6" Maximum Wire Opening. Filter cloth: Filter X Mirafi 100x, Stabilinka T140N, or Approved Equal. Prefabricated Unit: Geofab, Envirofence, or Approved Equal.

U.S. Department of Agriculture, Soil Conservation Service, College Park Maryland. Silt Fence, Based on Standard Drawing SF-1

Brickbat Ground Cover



Temporary ground cover consisting of broken brick (1/2 a piece or smaller) over denuded urban earth.

Brickbats provide a tem[porary ground cover over denuded urban earth to prevent the transportation of sediment from the site.

Conditions Where Practice Applies:

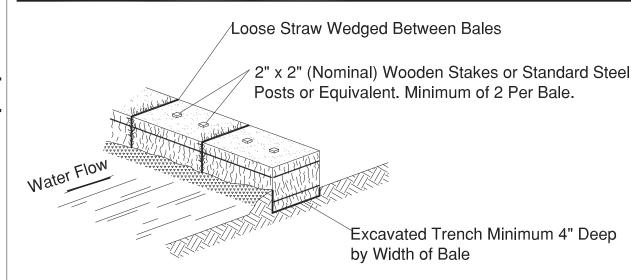
Brickbats may be used on any site in need of temporary ground covering.

Design Criteria:

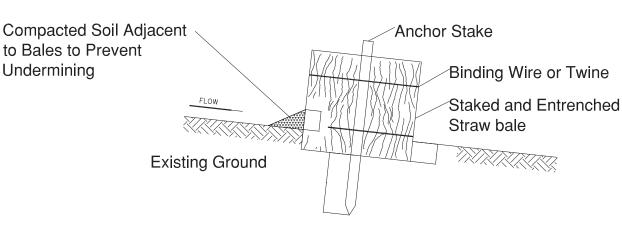
Undermining

The brickbats shall be placed to a depth of 3 inches to 4 inches covering the denuded earth on the site, then compacted and leveled.

Straw Bale Dike (not to scale)



Isometric View



S.B.D.

Typical Section (Anchoring & Bedding)

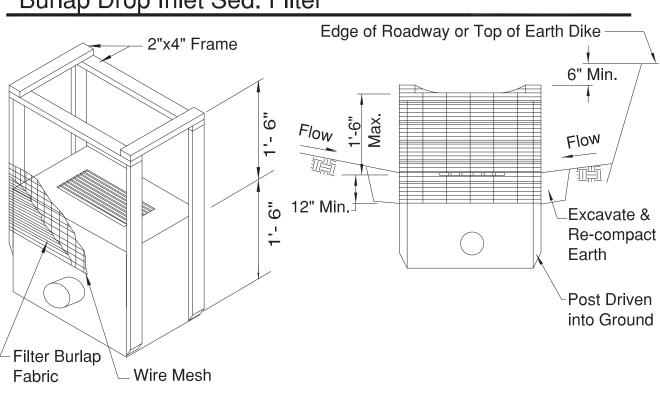
Straw Bale Dike Notes

- 1. Bales should be placed at the toe of a slope or on the contour and in a row with ends tightly abutting the adjacent bales.
- 2. Each bale shall be embedded in the soil a minimum of 4 inches, and placed so the bindings are horizontal
- 3. Bales shall be securely anchored in place by either two stakes or rebars driven through the bale. the first stake in each bale shall be driven towards the previously laid
- 4. Inspection shall be frequent and repair replacement shall be made as promptly as

bale in angle to force the bales together. stakes shall be driven flush with the surface

- 5. Bales shall be removed when they have served their usefulness so as not to block ir impede storm flow or drainage.
- U.S. Department of Agriculture, Soil Conservation Service, College Park Maryland. Silt Fence, Based on Standard Drawing SF-1

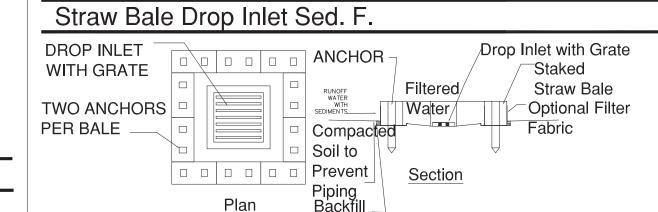
Burlap Drop Inlet Sed. Filter



Burlap Drop Inlet Sediment Filter. Specific Application

This method of inlet protection is applicable where the inlet drains a relatively flat area (slopes no greater than 5%) where sheet or overland flows (not exceeding 5 c.f.s.) are typical. the method shall not apply to inlets receiving concentrated flows, such as in streets or highway medians.

Source: VA. SWCC

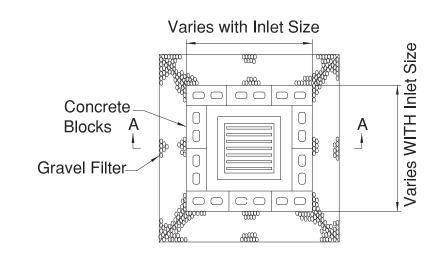


Straw Bale Drop Inlet Sediment Filter. Specific Application

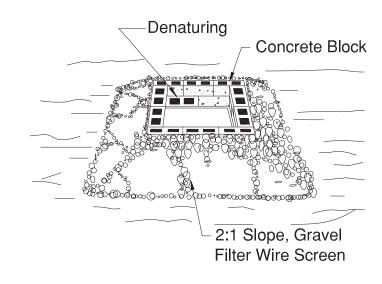
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Michigan Solid Erosion and Sedimentation Control Guidebook, 1975

Block & Gravel Drop Inlet S. F.



Each Side of Inlet Shall Have Temporary A Block Laid on Side to SEDIMENT POOL-Provide Dewatering -Wire Screen With Grate Section A-A



Block & Gravel Drop Inlet Sediment Filter. Specific Application

This method of inlet protection is applicable where heavy flows are expected and where an overflow capacity is necessary to prevent excessive pounding around the structure.

Source: VA. SWCC

ASPE

DCRA USE

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SHEET TITLE

EROSION SEDIMENT CONTROL

SHEET NO.

ESC002